



## SEQUENCE LISTING

<110> Fang, Yu  
Lee, Ming-Liang  
Anderson, Hong C.  
Chiu, Chung-Ching

<120> New Strains of Saccharothrix, Process for Producing Pravastatin Using the Strains and Isolation Process of (HMG)-COA Reductase

<130> 004135.P005

<140> US 10/085,871

<141> 2002-02-27

<160> 12

<170> PatentIn version 3.1

<210> 1

<211> 1437

<212> DNA

<213> Saccharothrix 44442

<400> 1

gacgaacgct ggcggcgtgc ttaacacatg caagtcgagc ggtaaggccc ttcgggggtac	60
acgagcggcg aacgggtgag taacacgtgg gtaacctgcc ctgtactccg ggataagcct	120
gggaaactag gtctaatacc ggatacgacc ccatagggca tcttggtggg tggaaagtgc	180
cggcgggtatg ggatggaccc ggcgcctatc agcttggttg tggggtgatg gcctaccaag	240
gcgacgacgg gtagccggcc tgagaggggtg accggccaca ctgggactga gacacggccc	300
agactcctac gggaggcagc agtggggaat attgcacaat gggcgaaagc ctgatgcagc	360
gacgccgcgt gagggatgac ggccttcggg ttgtaaacct ctttcagcag ggacgaagcg	420
caagtgcagg tacctgcaga agaagcaccg gctaactacg tgccagcagc cgcggttaata	480
cgtagggtgc gagcgttgtc cggaattatt gggcgtaaag agctcgtagg cggtttggtg	540
cgtcggccgt gaaaacttca cgcttaacgt ggagcctgcg gtcgatacgg gcagacttga	600
gttcggcagg ggagactgga attcctggtg tagcggtgaa atgcgcagat atcaggagga	660
acaccggtgg cgaaggcggg tctctgggcc gatactgacg ctgaggagcg aaagcgtggg	720
gagcgaacag gattagatac cctggtagtc cacgccgtaa acggtgggtg ctaggtgtgg	780
gggacttcca cgctctcgtg gccgcagcta acgcattaag caccgcct ggggagtacg	840
gccgcaaggc taaaactcaa aggaattgac gggggcccgc acaagcggcg gagcatgtgg	900
attaattcga tgcaacgcga agaaccttac ctgggcttga catgcaccgg aaacctgcag	960
agatgtaggc ctcttcggac tgggtgtacag gtggtgcatg gctgtcgtca gctcgtgtcg	1020
tgagatgttg ggttaagtcc cgcaacgagc gcaaccctcg ttccatgttg ccagcgcgtt	1080

atggcgggga	ctcatgggag	actgccgggg	tcaactcgga	ggaaggtggg	gatgacgtca	1140
agtcatcatg	ccccttatgt	ccagggcttc	acacatgcta	caatggccgg	tacagagggc	1200
tgctaagccg	tgaggtggag	cgaatcccaa	aaagccggtc	tcagttcgga	tcgggggtctg	1260
caactcgacc	ccgtgaagtc	ggagtcgcta	gtaatcgag	atcagcaacg	ctgcggtgaa	1320
tacgttcccc	ggccttgtag	acaccgccc	tcacgtcacg	aaagtcggta	acacccgaag	1380
cccgtggccc	aacccgcaag	ggggggagcg	gtcgaaggtg	ggactggcga	ttggggac	1437

<210> 2  
 <211> 1471  
 <212> DNA  
 <213> Saccharothrix 45494

<400> 2		
gacgaacgct	ggcggcgtag	60
acgagcggcg	aacgggtgag	120
gggaaactag	gtctaatacc	180
cggcggtagt	ggatggaccc	240
gcgacgacgg	gtagccggcc	300
agactcctac	gggaggcagc	360
gacgccgcgt	gagggatgac	420
caagtgacgg	tacctgcaga	480
cgtagggtag	gagcgttgtag	540
cgtcggccgt	gaaaacttca	600
gttcggcagg	ggagactgga	660
acaccggtgg	cgaaggcggg	720
gagcgaacag	gattagatac	780
gggacttcca	cgctctccgt	840
gccgcaaggc	taaaactcaa	900
attaattoga	tgcaacgcga	960
agatgtaggc	ctcttcggac	1020
tgagatgttg	ggttaagtcc	1080
atggcgggga	ctcatgggag	1140
agtcatcatg	ccccttatgt	1200
tgctaagccg	tgaggtggag	1260

caactcgacc ccgtgaagtc ggagtcgcta gtaatcgag atcagcaacg ctgcggtgaa 1320  
 tacgttcccc ggccttgtag acaccgcccg tcacgtcacg aaagtcggtg acaccgaag 1380  
 cccgtggccc aaccgcgaag ggggggagcg gtcgaaggcg ggactggcga ttgggacgaa 1440  
 gtcgtaacaa ggtagccgta ccggaaggcg c 1471

<210> 3  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 3  
 gagtttgatc ctggctcag 19

<210> 4  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 4  
 cgggtgtgtrc aaggccc 17

<210> 5  
 <211> 16  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 5  
 gcaacgagcg caaccc 16

<210> 6  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 6  
 ccgtcaattc atttgagttt 20

<210> 7  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 7  
attagatacc ctggtag 17

<210> 8  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 8  
agaaaggagg tgatccagcc 20

<210> 9  
<211> 18  
<212> DNA  
<213> Artificial Sequenc e

<220>  
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 9  
gwattaccgc ggckgctg 18

<210> 10  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 10  
tacgggaggc agcag 15

<210> 11  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 11  
ctgctgcctc ccgta 15

<210> 12  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 12

agaaaggagg tgatccagcc

20